



U.S. Army Corps of Engineers
Northwestern Division

Missouri River Master Manual Review & Update

Preferred Alternative Briefing

12 January 2000

Issues to be Addressed

- ◆ Background
- ◆ Criteria/Impacts for Preferred Alternative (PA)
- ◆ Tribal Issues
- ◆ Collaborative Ecosystem Management/Recovery Committee
- ◆ Public Involvement Plan
- ◆ Schedule

Missouri River Main Stem Reservoir System



Economic Uses

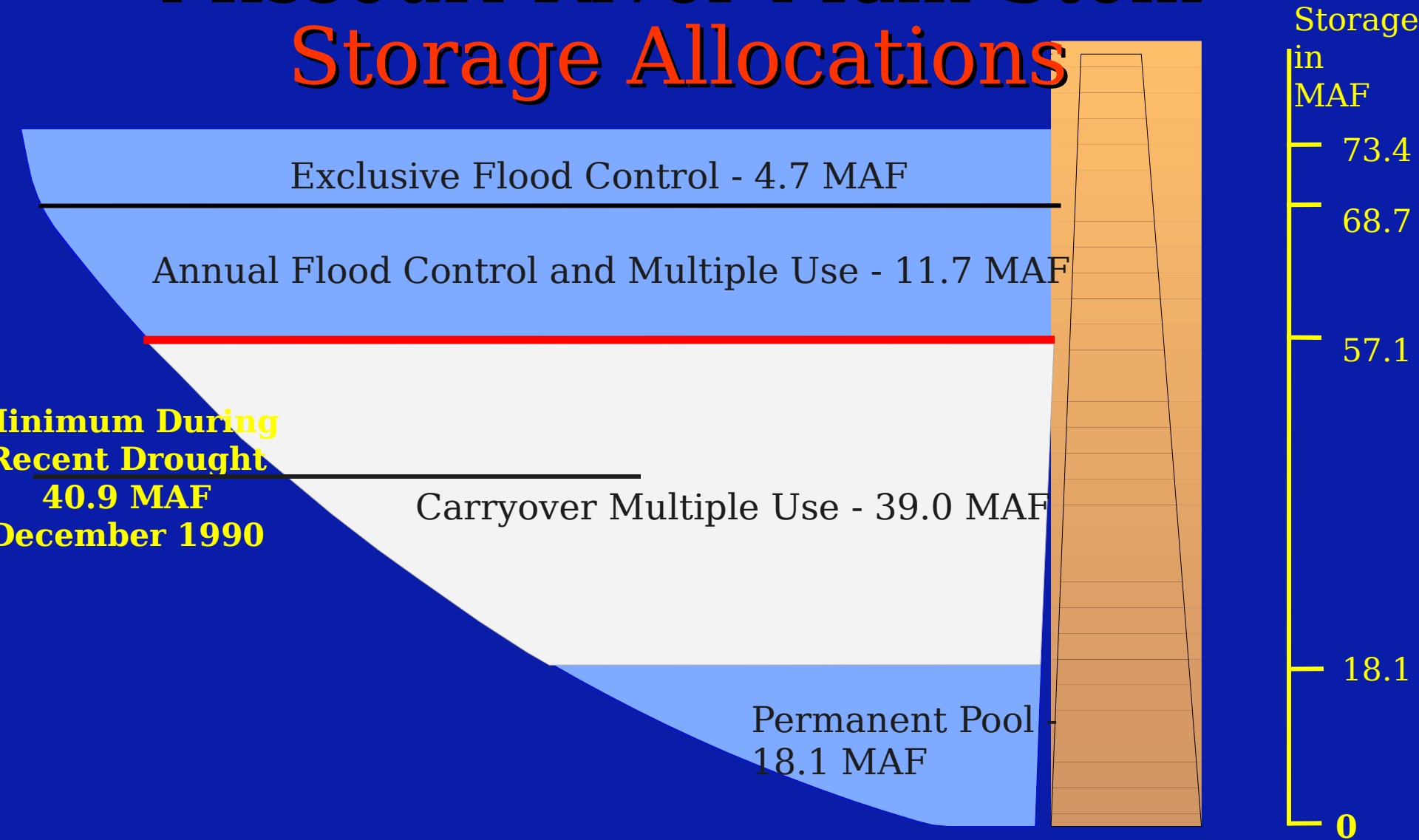
Flood Control
Irrigation
Hydropower
Navigation
Recreation
M&I Water Supply
Water Quality

Environmental Resources

Terrestrial Fish
(Including Pallid Sturgeon)
Reservoir Fish
Wading Birds & Plovers
Wetlands Habitat
Aquatic Habitat
Historic Properties

Bank Stabilization and Navigation Project

Missouri River Main Stem Storage Allocations



Operational Criteria for Preferred Alternative

	Flood Control	Navigation Guide Curves	Minimum Storage During Droughts	Navigation Preclude	Flow Enhancement Ft. Peck	Flow Enhancement Gavins Point	Split Navigation Season	Intrasystem Unbalancing	Lower River Navigation Target
Current Water Control Plan	57.1	Low	19/40/40	24	None	Flat Release	None	None	None
PA	57.1	Intermediate Triggers	27/42/43	31	Yes	Flat Release	None	Yes	Yes

Comparison of the Economic & Environmental Benefits of the Preferred Alternative (% Change from the Current Water Control Plan)

	Flood Control Economics	Missouri River Navigation Economics	Hydropower Economics	Water Supply Economics	Recreation Economics	Total National Economics	Cold River Fish Temperature Habitat	Cold Reservoir Fish Temperature Habitat	Warm River Fish Temperature Habitat	Warm River Fish Depth/Velocity Habitat	Young-of-Year Fish Production	Tern and Plover Island Habitat	Wetland Habitat	Riparian Habitat	Historic Properties Erosion Potential	Mississippi River Navigation Economics
PA	-1	-1	1	0	4	0	2	3	-8	0	2	43	1	-2	-3	0

Tribal Issues

- ◆ Tribal Input & Consultation
- ◆ Corps Tribal Recommendations
 - ◆ Continue Government to Government consultation on flow related issues through the ROD
 - ◆ Support Tribal representation on Recovery Committee
 - ◆ Support monitoring of Tribal resources in the Collaborative Ecosystem Management Process
 - ◆ Identify mitigation measures for the operational impacts on cultural resources

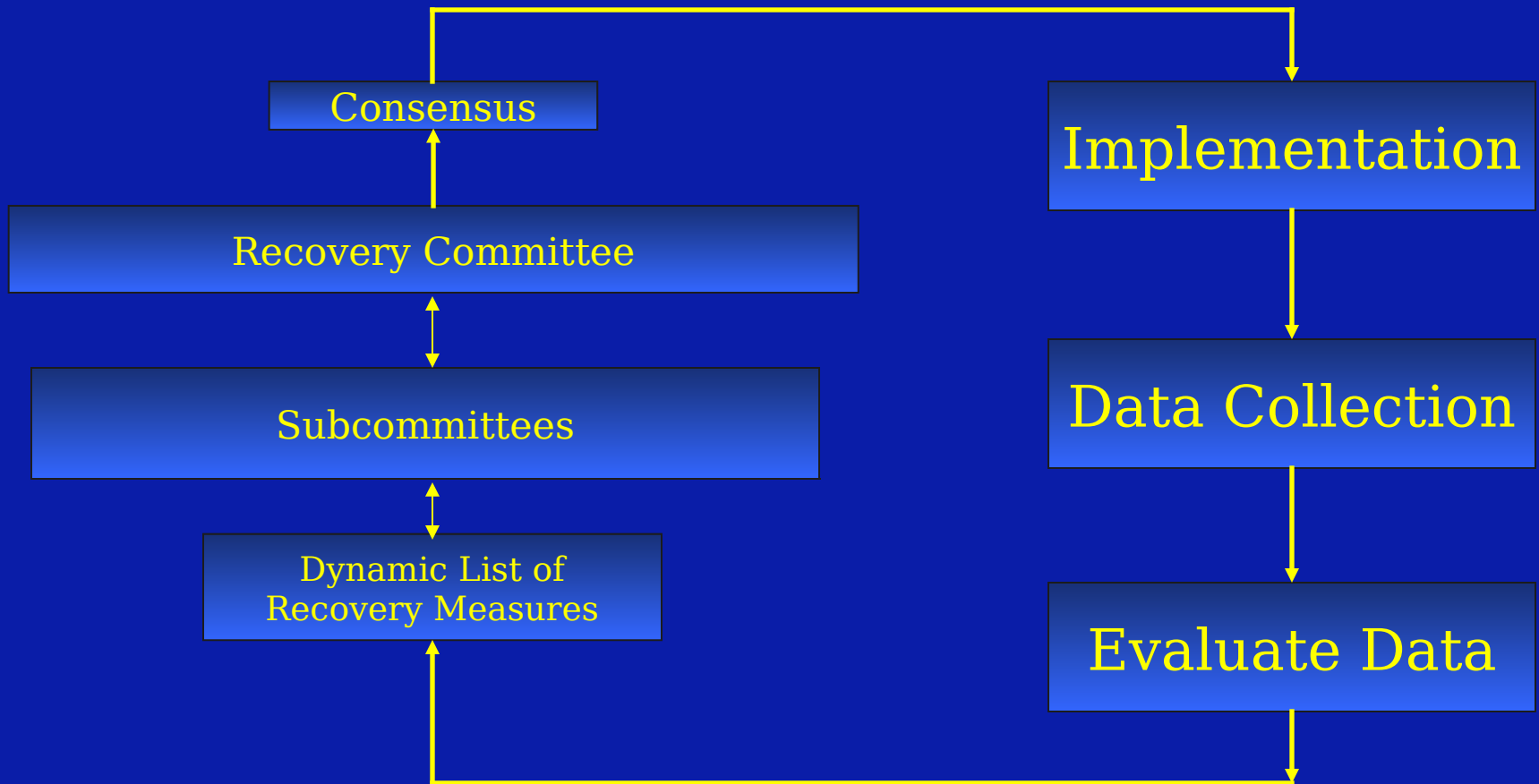
Collaborative Ecosystem Management Strategy

- ◆ Collaborative Ecosystem Management (CEM) already in place
- ◆ PA includes continuation of CEM
- ◆ CEM encompasses broad scope of environmental issues on the Missouri River

Recovery Committee (RC)

- ◆ PA announces intent to facilitate/lead RC
- ◆ Process & structure for CEM
- ◆ RC advisory in nature
- ◆ Involves stakeholders
- ◆ Results oriented (proactive)
- ◆ Best way to ensure we preclude jeopardy

Collaborative Ecosystem Management Strategy



Public Involvement Plan

- ◆ Press Release - Outline PA
- ◆ Newsletters
- ◆ Video and CD
- ◆ Workshops
- ◆ Public Hearings
- ◆ Web Site

Missouri River Master Manual Review & Update Current Approved Schedule

- ◆ Preliminary Revised Draft EIS (PRDEIS) - August 1998
- ◆ PRDEIS Tribal & Public Coordination Period - January 1999
- ◆ Revised Draft EIS (RDEIS) - March 2000
- ◆ RDEIS Tribal & Public Comment Period - September 2000
- ◆ Final EIS - June 2001
- ◆ Washington Level Review - December 2001
- ◆ Record of Decision (ROD) - February 2002
- ◆ Revise Master Manual - February 2002
- ◆ Develop AOP - December 2002
- ◆ Implement Selected Plan - March 2003



Shared River.....Shared Vision